



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D.me
D350-591-214
Job Sheet 170061



Part No: D350-591-214

Job Qty: 2 ea

Part Name: Heli-Access-Step™ RH - High Gear, Short Step, Aerazur Float Compatible



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/8/18

Job Tracking No:

Due Date: 1/29/18

Created By: Mario Poulin

Type: SOLD

Description:

Customer: DECSEF (CDECS01)

Av. Baja California 245 Int. 1101 Hipódromo Condesa, Delegación Cuauhtémoc CP 06170 Mexico City, CMX, Mexico

Note: DWG REV H IPP Rev:B 05.10.14 Modified step 10 KJ/EC IPP Rev:C 06-06-19 Added D2732-030 AS PER DSI9294 JLM IPP Rev:C 06-06-27 Revised as per DSI9340 JLM IPP Rev:D 10.11.15 update qty on AN4-11A DD ver:EC IPP REV:E 14.12.17 ADD DSI9712-011 DD VERF:JLM IPP REV:F 16.03.16 IIN REV:H DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea		1/29/18	0.00	0.00	Start Up Stores/Pkg-2		
270	Packaging	2 pcs		1/29/18	0.00	0.00	Packaging1-3		
280	QC	2 pcs		1/29/18	0.00	0.00	QC4		
285	DC	2 pcs		1/29/18	0.00	0.00	DC		
290	Packaging	2 pcs		1/29/18	0.00	0.00	Packaging3-1		
300	QC21-FG	2 Ea		1/29/18	0.00	0.00	QC21		

Part Op 285 - Photocopy bluefile and type labels as per PPP D350-591-214 CHG005

Descriptions: 290 - Identify and pack for shipping as per PPP D350-591-214 Location:FG039

JAN 31 2016

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	-AN3-35A 5032320	4	268	0	0
	-AN4-15A 5032319	8	277	0	0
	-AN5-36A 5032316	4	194	0	0
	-D2230-3 5032314	4	179	0	0
	-D2618 5032318	4	178	0	0
	-D2732-030 5032312	2	119	0	0
	-D3078-042 5032315	2	0	0	0
	-D3235-15032365	4	67	0	0
	-D3338-1 5032304	2	43	0	0
	-MS21042L3 5032302	4	3,262	0	0
	-MS21042L4 5032298	12	3,660	0	0
	-MS21042L5 5032297	4	749	0	0
	-NAS1149D0363J 5032295	8	4,416	0	0
	-NAS1149D0463J 5032294	24	5,729	0	0
	-NAS1149D0563J 5032292	8	1,304	0	0

Part Specifications

Specifications could not be found.

000/53

Plex 1/8/18 4:18 PM dart.poulin.mario

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube</td><td style="width:15%;">Cross tube</td><td style="width:15%;">Water Jet</td><td style="width:15%;">Engineering</td></tr> <tr> <td>Machining</td><td>Small Fab</td><td>Prod. Eng. Coord.</td><td>Quality</td></tr> <tr> <td>Thermoforming</td><td>Finishing</td><td>Rec/Store/Packaging</td><td>Other</td></tr> <tr> <td>Large Fab</td><td>Composite</td><td>Supplier</td><td></td></tr> </table>						Skid-tube	Cross tube	Water Jet	Engineering	Machining	Small Fab	Prod. Eng. Coord.	Quality	Thermoforming	Finishing	Rec/Store/Packaging	Other	Large Fab	Composite	Supplier																																																				
Skid-tube	Cross tube	Water Jet	Engineering																																																																									
Machining	Small Fab	Prod. Eng. Coord.	Quality																																																																									
Thermoforming	Finishing	Rec/Store/Packaging	Other																																																																									
Large Fab	Composite	Supplier																																																																										
Date : _____ Descri _____		Change No: CHG005 Operation: Start up Operation Revision: 01/27/18 Job No: 170061				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																																						
Part No: D350-591-214 Original Serial #: S036151 Helix - Access - Step RH - High Gear, Short Step, Aerazur Float Compatible Operation: Start up Operation Revision: 01/27/18 Job No: 170061 S036151 DART AEROSPACE 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada TEL: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com																																																																												
Root Cause <table style="width:100%; border: none;"> <tr><td>Environment</td><td>☐</td><td>No R</td><td>☐</td></tr> <tr><td>Design</td><td>☐</td><td>Oper</td><td>☐</td></tr> <tr><td>Doc/Data</td><td>☐</td><td>Offse</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td><td>Supplier</td><td>☐</td></tr> <tr><td>Handling/Pre</td><td>☐</td><td>Training</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td><td>Use for Testing</td><td>☐</td></tr> <tr><td>Internal Transport</td><td>☐</td><td>Poor Information</td><td>☐</td></tr> <tr><td>Tribal Knowledge</td><td>☐</td><td>Rushing</td><td>☐</td></tr> <tr><td>LOA</td><td>☐</td><td>Product Improvement</td><td>☐</td></tr> <tr><td>Substation</td><td>☐</td><td>Process Improvement</td><td>☐</td></tr> <tr><td>Past Expiry Date</td><td>☐</td><td>Manufacturing Process</td><td>☐</td></tr> <tr><td>Misidentified</td><td>☐</td><td>Past Due</td><td>☐</td></tr> </table>		Environment	☐	No R	☐	Design	☐	Oper	☐	Doc/Data	☐	Offse	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	<table style="width:100%; border: none;"> <tr> <td style="width:33%;">Cracks</td> <td style="width:33%;">Broken/Damage/Defect</td> <td style="width:33%;">Wrong Stock Pulled</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave</td> <td>Inspection Incomplete/Unqualified</td> <td>Out of Sequence</td> </tr> <tr> <td>Cuffs</td> <td>Contamination</td> <td>Off-set</td> </tr> <tr> <td>Crushing</td> <td>Countersink</td> <td>Mislabeled</td> </tr> <tr> <td>Heat Treat</td> <td>Cut Too Short</td> <td>Fit/Function</td> </tr> <tr> <td>Wave/Twist in Tube</td> <td>Instructions Incomplete/Unclear</td> <td>Misaligned/off center</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td></td> </tr> </table>						Cracks	Broken/Damage/Defect	Wrong Stock Pulled	Crimp/Kink/Ripple/Wave	Inspection Incomplete/Unqualified	Out of Sequence	Cuffs	Contamination	Off-set	Crushing	Countersink	Mislabeled	Heat Treat	Cut Too Short	Fit/Function	Wave/Twist in Tube	Instructions Incomplete/Unclear	Misaligned/off center	Marks/Chatter	Drill Holes	
Environment	☐	No R	☐																																																																									
Design	☐	Oper	☐																																																																									
Doc/Data	☐	Offse	☐																																																																									
Equip/Tooling	☐	Supplier	☐																																																																									
Handling/Pre	☐	Training	☐																																																																									
Material	☐	Use for Testing	☐																																																																									
Internal Transport	☐	Poor Information	☐																																																																									
Tribal Knowledge	☐	Rushing	☐																																																																									
LOA	☐	Product Improvement	☐																																																																									
Substation	☐	Process Improvement	☐																																																																									
Past Expiry Date	☐	Manufacturing Process	☐																																																																									
Misidentified	☐	Past Due	☐																																																																									
Cracks	Broken/Damage/Defect	Wrong Stock Pulled																																																																										
Crimp/Kink/Ripple/Wave	Inspection Incomplete/Unqualified	Out of Sequence																																																																										
Cuffs	Contamination	Off-set																																																																										
Crushing	Countersink	Mislabeled																																																																										
Heat Treat	Cut Too Short	Fit/Function																																																																										
Wave/Twist in Tube	Instructions Incomplete/Unclear	Misaligned/off center																																																																										
Marks/Chatter	Drill Holes																																																																											
OTHER : _____		Loss/Surge Program <table style="width:100%; border: none;"> <tr><td>☐</td><td>Positioned Wrong</td></tr> <tr><td>☐</td><td>Outside Dimensions</td></tr> <tr><td>☐</td><td>Over/Under tolerance</td></tr> <tr><td>☐</td><td>Part Incorrect</td></tr> <tr><td>☐</td><td>Part Lost/Missing</td></tr> <tr><td>☐</td><td>Part Moved</td></tr> <tr><td>☐</td><td>Drawing</td></tr> <tr><td>☐</td><td>Finish</td></tr> <tr><td>☐</td><td>Misread</td></tr> <tr><td>☐</td><td>Turning Sequence</td></tr> </table>						☐	Positioned Wrong	☐	Outside Dimensions	☐	Over/Under tolerance	☐	Part Incorrect	☐	Part Lost/Missing	☐	Part Moved	☐	Drawing	☐	Finish	☐	Misread	☐	Turning Sequence																																																	
☐	Positioned Wrong																																																																											
☐	Outside Dimensions																																																																											
☐	Over/Under tolerance																																																																											
☐	Part Incorrect																																																																											
☐	Part Lost/Missing																																																																											
☐	Part Moved																																																																											
☐	Drawing																																																																											
☐	Finish																																																																											
☐	Misread																																																																											
☐	Turning Sequence																																																																											



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Master Unit 000153

Tel (613) 632-5200

Containers on Master Unit 000153				
Serial No	Part No	Customer Part No	Status	Quantity
S032320	AN3-35A		Allocated	4
S032319	AN4-15A	AN4-15A	Allocated	8
S032316	AN5-36A	AN5-36A	Allocated	4
S032314	D2230-3	D2230-3	Allocated	4
S032313	D2618	D2618	Allocated	4
S032312	D2732-030	D2732-030	Allocated	8
S032305	D3235-1	D3235-1	Allocated	4
S032304	D3338-1		Allocated	2
S032302	MS21042L3	MS21042L3	Allocated	4
S036149	MS21042L3	MS21042L3	Allocated	4
S032298	MS21042L4	MS21042L4	Allocated	12
S032297	MS21042L5		Allocated	4
S032295	NAS1149D0363J	NAS1149D0363J	Allocated	8
S032294	NAS1149D0463J	NAS1149D0463J	Allocated	24
S032292	NAS1149D0563J	NAS1149D0563J	Allocated	8

Qty -213	Qty -214	Qty -215	Qty -216	Qty -311	Qty -312	Part Number	Description
X						D350-591-213	Heli-Access-Step™, Short Step – High Skid, LH
	X					D350-591-214	Heli-Access-Step™, Short Step – High Skid, RH
		X				D350-591-215	Heli-Access-Step™, Short Step – Low Skid, LH
			X			D350-591-216	Heli-Access-Step™, Short Step – Low Skid, RH
				X		D350-591-311	Heli-Access-Step™, Long Step – High Skid, LH
					X	D350-591-312	Heli-Access-Step™, Long Step – High Skid, RH
1						D3078-041	STEP ASSEMBLY (HIGH-SHORT, LH)
	1					D3078-042	STEP ASSEMBLY (HIGH-SHORT, RH)
		1				D3168-041	STEP ASSEMBLY (LOW-SHORT, LH)
			1			D3168-042	STEP ASSEMBLY (LOW-SHORT, RH)
				1		D3272-041	STEP ASSEMBLY (HIGH-LONG, LH)
					1	D3272-042	STEP ASSEMBLY (HIGH-LONG, RH)
2	2	2	2	4	4	D2230-3	MOUNTING LUG
2	2	2	2	2	2	D2618	BUSHING
4	4	4	4			D2732-030	CUSHION
				2	2	D2856-400-720	ABRASION STRIP
2	2	2	2	2	2	D3235-1	MOUNTING LUG
				1	1	D3278-041	SUPPORT ASSEMBLY
2	2	2	2	2	2	AN3-35A	BOLT
				8	8	AN4-13A	BOLT
4	4	4	4			AN4-15A	BOLT
2	2	2	2	2	2	AN5-36A	BOLT
4	4	4	4	4	4	NAS1149D0363J	WASHER (AN960JD10)
12	12	12	12	16	16	NAS1149D0463J	WASHER (AN960JD416)
4	4	4	4	4	4	NAS1149D0563J	WASHER (AN960JD516)
2	2	2	2	2	2	MS21042L3	NUT
6	6	6	6	8	8	MS21042L4	NUT
2	2	2	2	2	2	MS21042L5	NUT
				1	1	*DSI 9410-011	STEP MODIFICATION KIT

*DSI 9410-011 Step Modification Kits are provided with all D350-591-311 and D350-591-312 Steps. This kit is provided as an option for the installer and is therefore **NOT REQUIRED** to complete the installation of the D350-591-311 or D350-591-312 Steps. Refer to Figure 15 for installation of the DSI 9410-011 Kit.